1- (WPAT)	
ACCESSION NUMBER	97-503485/47
XRPX	N97-419697
TITLE	Water based heat bank and fusion salt calorifier - has heat energy circulated around heat storage vessel by convective currents and insulated baffle which directs and influences convective current flow
DERWENT CLASSES	Q74
PATENT ASSIGNEE	(MCCO/) MCCONNELL D E, (TRAN/) TRANTER S R
INVENTORS	MCCONNELL DE, TRANTER SR
PRIORITY	96.03.26 96AU-048290
NUMBERS	1 patent(s) 1 country(s)
PUBLICATION DETAILS	AU9648290 A 97.10.02 * (9747) 18p F24H-007/02
APPLICATION DETAILS	96AU-048290 96.03.26
MAIN INT'L CLASS.	F24H-007/02
ABSTRACT	AU9648290 A The water based heat bank and fusion salt calorifier comprises a heat bank container which contains a volume of water based fluid containing varying amounts of heat energy derived from a source. The heat energy can be circulated around the heat storage vessel by convective currents and an insulated baffle which directs and influences the convective current flow which forces the heated water to thermal layer at the highest possible point within the heat bank container. The fusion salt calorifier is immersed within the water based fluid at the highest possible point for the purpose of heat exchanging from the heated water based fluid to a clean water supply held within the confines of the fusion salt calorifier. ADVANTAGE - Less expensive and more thermally efficient. (Dwg.1/1)
IMAGE FILENAME	WPHASHP1.GIF

1- (WPAT)

ACCESSION NUMBER	90-050185/07
XRPX	N90-038470
TITLE	Periodic action heat drive - has thermal insulation baffle with segment cavities separating heating and cooling zones, cavities are symmetrical w.r.t. horizontal axle
DERWENT CLASSES	Q55
PATENT ASSIGNEE	(KIPO) KIEV POLY
INVENTORS	ANTOSHKO YUV, BEZRODNYI MK, TSYNKOV VE
PRIORITY	87.04.10 87SU-4226951
NUMBERS	1 patent(s) 1 country(s)
PUBLICATION DETAILS	SU1476174 A 89.04.30 * (9007) 2p
APPLICATION DETAILS	87SU-4226951 87.04.10
SECONDARY INT.L. CLASS.	F03G-007/06
ABSTRACT	SU1476174 A The thermal insulation baffle (4) with segment cavities (5) placed symmetrically w.r.t. the horizontal axle, envelopes part of the vapour duct (1) which is partially filled with low boiling point liq. (2). The baffle separates the heating and cooling zones. The packing linings (6) are placed at the vapour duct ends and on the duct boundary which is constantly in the cooling zone. The duct is made as an open toroid whose symmetry axis coincides with the axle (3). The duct ends thermodynamically interact with the zones. Part of the duct which is constantly in the cooling zone and the duct ends are thermally insulated. USE - For heat energy conversation to mechanical energy. Bul.16/30.4.89 (2pp Dwg.No.1/1)
IMAGE FILENAME	WPA12Q11.GIF

SS 2?

Document Number 25

Entry 25 of 69 File: DWPI Jul 15, 1987

DERWENT-ACC-NO: 1988-055348

TITLE: Tank for heat treatment of short cylindrical items - has thermal insulation baffle dividing tank into hardening and tempering compartments

ABTX:
The tank has a thermal insulation baffle (4) forming hardening and tempering compartments.

TTX:
TANK HEAT TREAT SHORT CYLINDER ITEM THERMAL INSULATE BAFFLE DIVIDE TANK HARDEN TEMPER COMPARTMENT

5734149A

SU 1476174 A

Document Number 5

Entry 5 of 5 File: DWPI Oct 2, 1997

DERWENT-ACC-NO: 1997-503485
DERWENT-WEEK: 199747

TITLE: Water based heat bank and fusion salt calorifier - has heat energy circulated around heat storage vessel by convective currents and insulated baffle which directs and influences convective current flow

INVENTOR: MCCONNELL, D E; TRANTER, S R

PATENT-ASSIGNEE: ; MCCONNELL D E[; MCCOI], TRANTER S R E[TRANI]

PRIORITY-DATA:
1996AU-0048290 March 26, 1996

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 9648290 A	October 2, 1997	N/A	018	F24H007/02

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-NO
AU 9648290A	March 26, 1996	1996AU-0048290	N/A

INT-CL (IPC): F24 H 7/02

ABSTRACTED-PUB-NO: AU 9648290A
BASIC-ABSTRACT:

The water based heat bank and fusion salt calorifier comprises a heat bank container which contains a volume of water based fluid containing varying amounts of heat energy derived from a source. The heat energy can be circulated around the heat storage vessel by convective currents and an insulated baffle which directs and influences the convective current flow which forces the heated water to thermal layer at the highest possible point within the heat bank container.

The fusion salt calorifier is immersed within the water based fluid at the highest possible point for the purpose of heat exchanging from the heated water based fluid to a clean water supply held within the confines of the fusion salt calorifier.

ADVANTAGE - Less expensive and more thermally efficient.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:
WATER BASED HEAT BANK FUSE SALT CALORIFIER HEAT ENERGY CIRCULATE HEAT STORAGE VESSEL CONVECTION CURRENT INSULATE BAFFLE DIRECT INFLUENCE CONVECTION CURRENT FLOW

DERWENT-CLASS: Q74

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N1997-419697

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